


United States Environmental Protection Agency
401 M. Street, S.W.
Washington, DC 20460

Paperwork Reduction Act Notice: This public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to : Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M. Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date: November 29, 2018				EPA Reg No./File Symbol: 71711-6	
Applicant's/Registrant's Name & Address: Nichino America, Inc. / 4550 Linden Hill Rd., Suite 501 / Wilmington, DE 19808				Product: ET-751 Technical	
Ingredient: PYRAFLUFEN-ETHYL					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
830 Product Chemistry					
830.1550, 830.1600, 830.1620, 830.1650, 830.1670	Pyraflufen-ethyl (ET-751): Technical Active Ingredient (TGA) and ET-751 2.5%EC (End Use Product)	45282804	NICHINO AMERICA, INC.	OLD	
830.1600, 830.1620, 830.1650, 830.1670	Pyraflufen Ethyl 751: Technical Active Ingredient TGA Alternative Technical Source: Product Properties, Group A-Product Identity, Composition, and Analysis.	47028801	NICHINO AMERICA, INC.	OWN	
830.1700, 830.6317	Certificate of Purity and Stability of ET-751 Technical	45282816	NICHINO AMERICA, INC.	OLD	
830.1700, 830.6317	Certificate of Purity and Stability of ET-751 Technical: Addendum 1	45282902	NICHINO AMERICA, INC.	OLD	
830.1700: 830.1750: 830.1800	Pyraflufen-ethyl (ET-751) Technical Active Ingredient (TGA) and ET-751 2.5% EC (End-Use Product): Product Chemistry, Series 62	45327607	NICHINO AMERICA, INC.	OLD	
830.1700; 830.1750	Analytical Profile of Five Representative Batches of Pyraflufen-ethyl Technical.	46661901	NICHINO AMERICA, INC.	OWN	
830.1700	Analytical Profile of Five Representative Batches of Pyraflufen-ethyl Technical(Produced by Yanai Chemical Industry Co., Ltd.,)	49976502	NICHINO AMERICA, INC.	OWN	
830.1700	Analytical Profile of Five Representative Batches of Pyraflufen-ethyl Technical (Produced by Deccan Fine Chemicals (India) Pvt. Ltd.	50113101	NICHINO AMERICA, INC.	OWN	
830.1700	Certificate of Purity of ET-751 Technical(4AM0024D): Addendum 1	45282705	NICHINO AMERICA, INC.	OLD	
830.1700	Certificate of Purity for ET-751 Technical: Addendum 1	45282708	NICHINO AMERICA, INC.	OLD	
830.1700	Certificate of Purity for ET-751 Technical: Addendum 1	45282714	NICHINO AMERICA, INC.	OLD	
830.1700	Certificate of Analysis for E-1	45282716	NICHINO AMERICA, INC.	OLD	
830.1700	Certificate of Analysis for E-1: Addendum 1	45282721	NICHINO AMERICA, INC.	OLD	
830.1700	Certificate of Purity of ET-751 Technical (5AM0025D): Addendum 1	45282907	NICHINO AMERICA, INC.	OLD	
830.1700	Certificate of Purity for ET-751 Technical	45282908	NICHINO AMERICA, INC.	OLD	
830.1700	Certificate of Purity for ET-751 Technical: Addendum 1	45282915	NICHINO AMERICA, INC.	OLD	
830.1700	Certificate of Purity for ET-751 Technical: Addendum 1	45282925	NICHINO AMERICA, INC.	OLD	
830.1700	Analytical Profile of Batches of ET-751 Technicals.	46162701	NICHINO AMERICA, INC.	OWN	
830.1700	Analytical Profile of Batches of ET-751 Technicals: Product Chemistry, Series 62	45327608	NICHINO AMERICA, INC.	OLD	
830.1750	ET-751 Technical: Certified Limits	49976501	NICHINO AMERICA, INC.	OWN	
830.1800	Certification of ET-751: Enforcement Analytical Method	45282817	NICHINO AMERICA, INC.	OLD	
830.1800	Enforcement Analytical Method for Determination of Pyraflufen-ethyl in ET-751 Technical	45282813	NICHINO AMERICA, INC.	OLD	

Signature: 
Name/Title: William R. Berti, Ph.D. / Regulatory Affairs Manager

EPA Copy


Date 11/29/2018
Page 1 of 12

United States Environmental Protection Agency
401 M. Street, S.W.
Washington, DC 20460

Paperwork Reduction Act Notice: This public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to : Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M. Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date: November 29, 2018			EPA Reg No./File Symbol: 71711-6		
Applicant's/Registrant's Name & Address: Nichino America, Inc. / 4550 Linden Hill Rd., Suite 501 / Wilmington, DE 19808			Product: ET-751 Technical		
Ingredient: PYRAFLUFEN-ETHYL					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
830.6302, 830.6303, 830.6304, 830.6315, 830.6316, 830.6314	ET-751: Determination of Physico-Chemical Properties of the Substance as Manufactured: Amended Final Report	45759901	NICHINO AMERICA, INC.	OLD	
830.6302, 830.6303, 830.6304, 830.6313, 830.6314, 830.6315, 830.6316, 830.6317, 830.6319, 830.6320, 830.6321, 830.7200, 830.7220, 830.7300, 830.7370, 830.7550, 830.7570, 830.7840, 830.7950, 830.7000, 830.7100, 830.7520	Pyraflufen-ethyl--ET-751 Technical Active Ingredient (TGAI) and ET-751 (OS-159) 2.5%EC(N) (End Use Product): Product Chemistry	45282805	NICHINO AMERICA, INC.	OLD	
830.6302, 830.6303, 830.6304, 830.7200, 830.7220, 830.7300, 830.7950, 830.7050, 830.7840, 830.7570	ET-751: Determination of Physico-chemical Properties of Purified Active Substance: Final Report	45765101	NICHINO AMERICA, INC.	OLD	
830.6313	Certificate of Stability of ET-751 Technical	45282926	NICHINO AMERICA, INC.	OLD	
830.6313	Determination of Stability to Normal and Elevated Temperature and Metals for ET-751 TGAI	45282808	NICHINO AMERICA, INC.	OLD	
830.7000	Determination of pH for ET-751 TGAI	45282810	NICHINO AMERICA, INC.	OLD	
830.7300	Determination of Density for ET-751 TGAI	45282811	NICHINO AMERICA, INC.	OLD	
830.7370	Determination of Dissociation Constant for ET-751 Technical	45282812	NICHINO AMERICA, INC.	OLD	
830.7550	E-1 Soil Metabolite, E-2 Soil Metabolite, E-3 Metabolite: Determination of Water Solubility and Octanol: Water Partition Coefficient	45327609	NICHINO AMERICA, INC.	OLD	
830.7840	ET-751 E-1 Metabolite: Determination of the Solubility in Water Buffered at Specified pH Values: Final Report	45282807	NICHINO AMERICA, INC.	OLD	
830.7950	ET-751 E1 Metabolite: Determination of Vapour Pressure	45327610	NICHINO AMERICA, INC.	OLD	

Signature: 
Name/Title: William R. Berti, Ph.D. / Regulatory Affairs Manager

EPA Copy


Date 11/29/2018
Page 2 of 12

United States Environmental Protection Agency
401 M. Street, S.W.
Washington, DC 20460

Paperwork Reduction Act Notice: This public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to : Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M. Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date: November 29, 2018			EPA Reg No./File Symbol: 71711-6		
Applicant's/Registrant's Name & Address: Nichino America, Inc. / 4550 Linden Hill Rd., Suite 501 / Wilmington, DE 19808			Product: ET-751 Technical		
Ingredient: PYRAFLUFEN-ETHYL					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
835 Environmental Fate					
835.1230	(Carbon 14)ET-751: Adsorption/Desorption in Four Soils: Final Report	45283029	NICHINO AMERICA, INC.	OLD	
835.1230	ET-751: Determination of Adsorption Coefficient on Soil (Koc) HPLC Simulation: Final Report	45283030	NICHINO AMERICA, INC.	OLD	
835.1230	(Carbon 14)-E-1 (ET-751 Metabolite): Adsorption/Desorption in Three Soils: Final Report	45283031	NICHINO AMERICA, INC.	OLD	
835.1230	(Carbon 14)-E-2 (ET-751 Metabolite): Adsorption/Desorption in Three Soils: Final Report	45283032	NICHINO AMERICA, INC.	OLD	
835.1230	(Carbon 14)-E-3 (ET-751 Metabolite): Adsorption/Desorption in Three Soils	45283033	NICHINO AMERICA, INC.	OLD	
835.1240	Soil Column Leaching of (Pyrazole-5(Carbon 14))ET-751 (Normal Study)	45283026	NICHINO AMERICA, INC.	OLD	
835.1240	E-5009: Addendum 1 to Report E-5009: Soil Column Leaching of (Pyrazole-5(carbon 14))ET-751 (Normal Study)	45283027	NICHINO AMERICA, INC.	OLD	
835.1240	Soil Column Leaching of (Pyrazole-5(carbon 14))ET-751 (Aged Study)	45283028	NICHINO AMERICA, INC.	OLD	
835.2120	(Carbon 14)-E-1 Hydrolytic Stability	45283018	NICHINO AMERICA, INC.	OLD	
835.2120: 835.2130	Hydrolysis of (carbon 14) ET-751 at pH 5, 7, 9	45283017	NICHINO AMERICA, INC.	OLD	
835.2240	Aqueous Photolysis Study of ET-751	45327628	NICHINO AMERICA, INC.	OLD	
835.2240	Supplement 1: Aqueous Photolysis Study of ET/751.	46162702	NICHINO AMERICA, INC.	OWN	
835.2410	Photodegradation of (carbon 14)ET-751 in/on Soil by Artificial Sunlight	45283019	NICHINO AMERICA, INC.	OLD	
835.4100	Aerobic Soil Metabolism of (Carbon 14)ET-751	45283020	NICHINO AMERICA, INC.	OLD	
835.4100	(Carbon 14)ET-751: Soil Degradation at 20 (degrees)C	45283021	NICHINO AMERICA, INC.	OLD	
835.4100	(Carbon 14)ET-751: Soil Degradation at 10 (degrees)C	45283022	NICHINO AMERICA, INC.	OLD	
835.4100	(Carbon 14)-E-2 (ET-751 Metabolite): Soil Degradation at 20 (degrees)C	45283023	NICHINO AMERICA, INC.	OLD	
835.4100	(Carbon 14)-E-3 (ET-751 Metabolite): Soil Degradation at 20 (degrees)C: Final Report	45283024	NICHINO AMERICA, INC.	OLD	
835.4400	(Carbon 14)ET-751: Degradation and Retention in Water-Sediment Systems	45283025	NICHINO AMERICA, INC.	OLD	
835.4400	Anaerobic Aquatic Metabolism of (carbon-14)ET-751	45327629	NICHINO AMERICA, INC.	OLD	
835.6100	Analytical Procedure (CHE 608/26-02R) ET-751 and Its Metabolite E1,E2,E3: The Determination of Residues in Soil	45283008	NICHINO AMERICA, INC.	OLD	
835.6100	Field Soil Dissipation of (Pyrazole-5 (carbon 14))ET-751 in Bare Ground in California	45283034	NICHINO AMERICA, INC.	OLD	
835.6100	Field Soil Dissipation of (Pyrazole-5-(carbon 14))ET-751 in Bare Ground in Washington	45283035	NICHINO AMERICA, INC.	OLD	
850 Ecological Effects					
850.1010	ET-751: Acute Toxicity to Daphnia magna	45282713	NICHINO AMERICA, INC.	OLD	
850.1010	ET-751 2.5% EC(N) Acute Toxicity to Water Fleas, (Daphnia magna) Under Flow-Through Conditions	45282724	NICHINO AMERICA, INC.	OLD	
850.1010	Acute Toxicity of E-3 (pyraflufen-ethyl metabolite) to <i>Daphnia magna</i> in a Static 48-hour Immobilisation Test	50092517	NICHINO AMERICA, INC.	OWN	
850.1010	E-1: Acute Toxicity to Daphnia magna	45282715	NICHINO AMERICA, INC.	OLD	
850.1025	E-1-Acute Toxicity to Eastern Oysters (Crassostrea virginica) Under Static (Recirculated) Conditions	45327605	NICHINO AMERICA, INC.	OLD	

Signature: 
Name/Title: William R. Berti, Ph.D. / Regulatory Affairs Manager

EPA Copy


Date 11/29/2018
Page 3 of 12

United States Environmental Protection Agency
401 M. Street, S.W.
Washington, DC 20460

Paperwork Reduction Act Notice: This public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to : Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M. Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date: November 29, 2018			EPA Reg No./File Symbol: 71711-6		
Applicant's/Registrant's Name & Address: Nichino America, Inc. / 4550 Linden Hill Rd., Suite 501 / Wilmington, DE 19808			Product: ET-751 Technical		
Ingredient: PYRAFLUFEN-ETHYL					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
850.1025	ET-751--Acute Toxicity to Eastern Oysters (<i>Crassostrea virginica</i>) Under Flow-Through Conditions	45389202	NICHINO AMERICA, INC.	OLD	
850.1035	E-1 Acute Toxicity to Mysids (<i>Mysidopsis bahia</i>) Under Static Conditions	45282717	NICHINO AMERICA, INC.	OLD	
850.1035	ET-751--Acute Toxicity to Mysids (<i>Americamysis bahia</i>) Under Flow-Through Conditions	45389203	NICHINO AMERICA, INC.	OLD	
850.1075	ET-751: Acute Toxicity to Rainbow Trout	45282710	NICHINO AMERICA, INC.	OLD	
850.1075	E-1: Acute Toxicity to Rainbow Trout	45282711	NICHINO AMERICA, INC.	OLD	
850.1075	E-1: Acute Toxicity to Bluegill Sunfish	45282712	NICHINO AMERICA, INC.	OLD	
850.1075	E-1 Acute Toxicity to Sheepshead Minnow (<i>Cyprinodon variegatus</i>) Under Static Conditions	45282718	NICHINO AMERICA, INC.	OLD	
850.1075	ET-751 2.5% EC(N) Acute Toxicity to Bluegill Sunfish (<i>Lepomis macrochirus</i>) Under Flow-Through Conditions	45282722	NICHINO AMERICA, INC.	OLD	
850.1075	ET-751 2.5% EC(N) Acute Toxicity to Rainbow Trout (<i>Oncorhynchus mykiss</i>) Under Flow-Through Conditions	45282723	NICHINO AMERICA, INC.	OLD	
850.1075	ET-751: Determination of Acute Toxicity to Bluegill Sunfish (<i>Lepomis macrochirus</i>)	45327604	NICHINO AMERICA, INC.	OLD	
850.1075	ET-751--Acute Toxicity to Sheepshead Minnow (<i>Cyprinodon variegatus</i>) Under Flow-Through Conditions	45389204	NICHINO AMERICA, INC.	OLD	
850.1075	E-3 (pyraflufen-ethyl metabolite): Acute Toxicity to Rainbow Trout (<i>Oncorhynchus mykiss</i>) in a 96-hour Semi Static Test (1st Final Report Amendment (2nd Original))	50092518	NICHINO AMERICA, INC.	OWN	
850.1075	ET 2% SC: A 96-Hour Flow-Through Acute Toxicity Test with the Rainbow Trout (<i>Oncorhynchus mykiss</i>): Final Report.	46641602	NICHINO AMERICA, INC.	OWN	
850.1300	E-1 Chronic Toxicity to <i>Daphnia magna</i>	45282720	NICHINO AMERICA, INC.	OLD	
850.1300	ET-751--Full Life Cycle Toxicity Test with Water Fleas, <i>Daphnia magna</i> Under Flow-Through Conditions	45389201	NICHINO AMERICA, INC.	OLD	
850.1400	E-1 Chronic Toxicity to Fathead Minnow (<i>Pimephales promelas</i>) Embryos and Larvae	45282719	NICHINO AMERICA, INC.	OLD	
850.1400	ET-751--The Toxicity to Fathead Minnow (<i>Pimephales promelas</i>) During an Early Life-Stage Exposure	45389205	NICHINO AMERICA, INC.	OLD	
850.1400	Pyraflufen-Ethyl - Early Life-Stage Toxicity Test with Fathead Minnow (<i>Pimephales promelas</i>) Under High Light Conditions: Final Report.	48409701	LIGHT DEPENDENT PEROXIDIZING HERBICIDE TASK FORCE	OWN	
850.1400	Pyraflufen-Ethyl - Early Life-Stage Toxicity Test with Fathead Minnow (<i>Pimephales promelas</i>) Under High Light Conditions Following FIFRA Guideline 72-4 and OPPTS Draft Guideline 850.1400: Amended Final Report.	49454401	LIGHT DEPENDENT PEROXIDIZING HERBICIDE TASK FORCE	OWN	
850.1730	E-1: Determination of the Accumulation and Elimination of (carbon-14)E-1 in Rainbow Trout (<i>Oncorhynchus mykiss</i>)	45282803	NICHINO AMERICA, INC.	OLD	
850.1790	ET-751 Toxicity to the Sediment Dwelling Chironomid Larvae - 28 Days-(<i>Chiromus riparius</i>).	46641601	NICHINO AMERICA, INC.	OWN	

Signature: 
Name/Title: William R. Berti, Ph.D. / Regulatory Affairs Manager

EPA Copy


Date 11/29/2018
Page 4 of 12

United States Environmental Protection Agency
401 M. Street, S.W.
Washington, DC 20460

Paperwork Reduction Act Notice: This public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to : Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M. Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date: November 29, 2018			EPA Reg No./File Symbol: 71711-6		
Applicant's/Registrant's Name & Address: Nichino America, Inc. / 4550 Linden Hill Rd., Suite 501 / Wilmington, DE 19808			Product: ET-751 Technical		
Ingredient: PYRAFLUFEN-ETHYL					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
850.1790	Supplement 1: ET-751 Toxicity to the Sediment Dwelling Chironomid Larvae-28 Days (Chironomus riparius).	47635001	NICHINO AMERICA, INC.	OWN	
850.2100	Acute Oral Toxicity Study on Bobwhite Quail(Pyraflufen-Ethyl)	45282704	NICHINO AMERICA, INC.	OLD	
850.2200	5-Day Dietary Toxicity Study in Mallard Duck with ET-751 Technical	45282706	NICHINO AMERICA, INC.	OLD	
850.2200	5-Day Dietary Toxicity Study in Bobwhite Quail with ET-751 Technical	45282707	NICHINO AMERICA, INC.	OLD	
850.2300	Reproduction Study in Mallard Duck with ET-751 Technical	45282709	NICHINO AMERICA, INC.	OLD	
850.2300	6-Weeks Dietary Study in Mallard Duck with ET-751 Techn. (Pilot Dietary Study for Reproduction Study)	45327602	NICHINO AMERICA, INC.	OLD	
850.2300	Reproduction Study in Bobwhite Quail with Pyraflufen-Ethyl Technical (By Dietary Admixture)	45327603	NICHINO AMERICA, INC.	OLD	
850.2300	Supplement 1 to: Reproduction Study in Mallard Duck with ET-751 Technical.	46447901	NICHINO AMERICA, INC.	OWN	
850.3000	ET-751 2.5% EC(N): Laboratory Contact Toxicity Test with the Predacious Mite, Typhlodromus pyri Scheuten (Acari: Phytoseiidae): Final Report	45282801	NICHINO AMERICA, INC.	OLD	
850.3020	Assessment of Side Effects of ET-751 Technical to the Honey Bee, Apis mellifera L. in the Laboratory Following the EPPO Guideline No.170	45282732	NICHINO AMERICA, INC.	OLD	
850.3100	E1 Metabolite: acute toxicity to the earthworm <i>Eisenia fetida</i>	50092507	NICHINO AMERICA, INC.	OWN	
850.3100	E1 Metabolite: determination of the effects on reproduction in the earthworm <i>Eisenia fetida</i>	50092508	NICHINO AMERICA, INC.	OWN	
850.3100	Acute Toxicity ET-751 Technical on Earthworms, Eisenia foetida Using an Artificial Soil Test	45282733	NICHINO AMERICA, INC.	OLD	
850.4100	Effects of E-2 standard on terrestrial (non-target) plants: seedling emergence and seedling growth test	50092513	NICHINO AMERICA, INC.	OWN	
850.4100	Effects of E-3 standard on terrestrial (non-target) plants: seedling emergence and seedling growth test	50092516	NICHINO AMERICA, INC.	OWN	
850.4100, 850.4150, 850.4230	ET-751 2.5%-EC Determination of Effects on Seedling Emergence of Ten Plant Species	45282725	NICHINO AMERICA, INC.	OLD	
850.4100, 850.4150, 850.4230	ET-751 2.5% EC(N) Determination of Effects on Vegetative Vigor of Ten Plant Species	45282726	NICHINO AMERICA, INC.	OLD	
850.4230	ET-751 2.5% EC(N) Determination of Effects on Multiple Applications on Early Seedling Growth of Ten Plant Species	45282727	NICHINO AMERICA, INC.	OLD	
850.4400	ET-751 2.5% EC Toxicity to Duckweed, Lemna gibba	45282728	NICHINO AMERICA, INC.	OLD	
850.4400	ET-751 2.5% EC(N) Acute Toxicity to the Marine Diatom, Skeletonema costatum	45282730	NICHINO AMERICA, INC.	OLD	
850.4400	Toxicity of pyraflufen ethyl to the aquatic plant <i>Lemna gibba</i> in a static growth inhibition test	50092502	NICHINO AMERICA, INC.	OWN	
850.4400	Toxicity of E-2 standard to the aquatic plant Lemna gibba in a static growth inhibition test	50092514	NICHINO AMERICA, INC.	OWN	
850.4400	ET-751 2.5% EC(N) Acute Toxicity to the Freshwater Diatom (Navicula pelliculosa)	45282729	NICHINO AMERICA, INC.	OLD	

Signature: 
Name/Title: William R. Berti, Ph.D. / Regulatory Affairs Manager

EPA Copy

Date 11/29/2018
Page 5 of 12

United States Environmental Protection Agency
401 M. Street, S.W.
Washington, DC 20460

Paperwork Reduction Act Notice: This public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to : Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M. Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date: November 29, 2018


EPA Reg No./File Symbol: 71711-6

Applicant's/Registrant's Name & Address:
 Nichino America, Inc. / 4550 Linden Hill Rd., Suite 501 / Wilmington, DE 19808

Product: ET-751 Technical

Ingredient: PYRAFLUFEN-ETHYL

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
850.4500	ET-751 2.5% EC(N) - Acute Toxicity to the Freshwater Green Alga (<i>Pseudokirchneriella subcapitata</i>)	45327606	NICHINO AMERICA, INC.	OLD	
850.4500	Effect of Pyraflufen-ethyl on the growth of several fresh water algae species	50092503	NICHINO AMERICA, INC.	OWN	
850.4500	ET-751: Toxicity to the freshwater diatom <i>Navicula pelliculosa</i>	50092504	NICHINO AMERICA, INC.	OWN	
850.4500	ET-751: Toxicity to the green alga <i>Selenastrum capricornutum</i>	50092505	NICHINO AMERICA, INC.	OWN	
850.4500	ET-751: Toxicity to the green alga <i>Selenastrum capricornutum</i>	50092506	NICHINO AMERICA, INC.	OWN	
850.4500	E-1: Toxicity to the green alga <i>Selenastrum capricornutum</i>	50092509	NICHINO AMERICA, INC.	OWN	
850.4500	E-1: Toxicity to the freshwater diatom <i>Navicula pelliculosa</i>	50092510	NICHINO AMERICA, INC.	OWN	
850.4500	E-1: Toxicity to duckweed (<i>Lemna gibba</i>)	50092511	NICHINO AMERICA, INC.	OWN	
850.4500	E-1: Toxicity to the green alga <i>Selenastrum capricornutum</i>	50092512	NICHINO AMERICA, INC.	OWN	
850.4500	Algal growth inhibition test of the pyraflufen-ethyl metabolite E-3	50092515	NICHINO AMERICA, INC.	OWN	
850.4550	ET-751 2.5% EC(N) Acute Toxicity to the Freshwater Blue-Green Alga (<i>Anabaena flos-aquae</i>)	45282731	NICHINO AMERICA, INC.	OLD	
850.6100	Validation of an analytical method for the determination of residues of pyraflufen-ethyl and metabolites E-1, E-2 and E-3 in soil by LC-MS/MS.	50092501	NICHINO AMERICA, INC.	OWN	
850.6100	To Conduct a Validation of the Analytical Method Pyraflufen E1/Water/SJ/08/1 for the Analysis of Pyraflufen E1 in Water: Final Report.	48381202	NICHINO AMERICA, INC.	OWN	
850.6100	Method Validation for the Determination of Residues of Pyraflufen-ethyl and Metabolites E-1, E-2 and E-3 in Water (A-5082)	50414201	NICHINO AMERICA, INC.	OWN	
850.6100	Independent Laboratory Validation of analytical method XG/17/007 for the determination of residues of pyraflufen-ethyl and metabolites E-1, E-2 and E-3 in water by LC-MS/MS. (A-5085)	50414202	NICHINO AMERICA, INC.	OWN	
SS-1253; OECD 239 (850. Series)	Pyraflufen-ethyl: Honey Bee (<i>Apis mellifera</i>) Larval Toxicity Test, Repeat Exposure (N-5131)	50414205	NICHINO AMERICA, INC.	OWN	
SS-1254 (850. Series)	Pyraflufen-ethyl - 10-Day Oral Toxicity Test with the Adult Honey Bee (<i>Apis mellifera</i>) (N-5130)	50414204	NICHINO AMERICA, INC.	OWN	
SS-1255; OECD 237 (850. Series)	Pyraflufen-ethyl - Honey Bee (<i>Apis mellifera</i>) Larval Toxicity Test, Single Exposure (N-5129)	50414203	NICHINO AMERICA, INC.	OWN	
860 Residue Chemistry					
860.1000, 860.1340, 860.1500	Magnitude of the Residue of Pyraflufen-ethyl in Cotton Raw Agricultural Commodities - Bridging Study: Final Report.	46587601	NICHINO AMERICA, INC.	OWN	
860.1000, 860.1500	Magnitude of the Residue of Pyraflufen-ethyl in/on Wheat Following Pre-Plant Application of ET-751: Amended Final Report.	46587603	NICHINO AMERICA, INC.	OWN	
860.1000, 860.1500	Magnitude of the Residue of Pyraflufen-Ethyl in/on Wheat Following Pre-Plant Application of ET-751: Final Study Report	45706701	NICHINO AMERICA, INC.	OLD	
860.1000, 860.1500	Magnitude of the Residue of Pyraflufen ethyl in/on Soybean Following Pre-Plant Application of ET-751	45643102	NICHINO AMERICA, INC.	OLD	

Signature: 
 Name/Title: William R. Berti, Ph.D. / Regulatory Affairs Manager

EPA Copy


Date 11/29/2018
 Page 6 of 12

United States Environmental Protection Agency
401 M. Street, S.W.
Washington, DC 20460

Paperwork Reduction Act Notice: This public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to : Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M. Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date: November 29, 2018			EPA Reg No./File Symbol: 71711-6		
Applicant's/Registrant's Name & Address: Nichino America, Inc. / 4550 Linden Hill Rd., Suite 501 / Wilmington, DE 19808			Product: ET-751 Technical		
Ingredient: PYRAFLUFEN-ETHYL					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
860.1000, 860.1500	Magnitude of the Residue of Pyraflufen-ethyl in/on Field Corn Following Pre-Plant Application of ET-751: Final Study Report	45666501	NICHINO AMERICA, INC.	OLD	
860.1300	The Metabolism of (carbon 14) ET-751 in the Laying Hen	45283006	NICHINO AMERICA, INC.	OLD	
860.1300	Metabolism of [Pyrazole-5- Carbon 14] ET-751 in Mandarin Orange.(R-5002)	orange	NICHINO AMERICA, INC.	OWN	
860.1300	Supplement to NNC Study: Metabolism of [Pyrazole-5-14C]ET-751 in Mandarin Orange (ILSR-M95-034 A, October 1995 (R-5002)).	49912501	NICHINO AMERICA, INC.	OWN	
860.1300	(Carbon 14)-ET-751: Metabolism in Spring Wheat: Final Report (R-5001)	45643104	NICHINO AMERICA, INC.	OLD	
860.1300	A Metabolism Study with (carbon 14) ET-751 on Potato	45283003	NICHINO AMERICA, INC.	OLD	
860.1300	A Metabolism Study with (carbon 14) ET-751 on Cotton	45283004	NICHINO AMERICA, INC.	OLD	
860.1300	The Metabolism of (carbon 14) ET-751 in the Lactating Goat	45283005	NICHINO AMERICA, INC.	OLD	
860.1340	Analytical Method Validation of ET-751 and Its Metabolite E-1 Water	45283007	NICHINO AMERICA, INC.	OLD	
860.1340	Independent Laboratory Validation of Analytical Method for Pyraflufen-Ethyl and its Metabolite (E-1) in/on Apple, Pear, Grapes and Oilseed Rape: Final Report.	48381203	NICHINO AMERICA, INC.	OWN	
860.1340	Analytical Method for the Determination of Pyraflufen-ethyl (ET-751) in Foodstuff of Animal Origin	45283010	NICHINO AMERICA, INC.	OLD	
860.1340	Independent Laboratory Validation (ILV) of Analytical Methods for the Determination of Pyraflufen-ethyl ET-751 and its Metabolite (E-1) in Potato and Cotton Samples/Matrices	45283011	NICHINO AMERICA, INC.	OLD	
860.1340, 860.1480	Magnitude of ET-751 Residues in Bovine Tissues and Milk from a 28-Day Feeding Study and Radiovalidation in Goat Liver and Milk.	47069206	NICHINO AMERICA, INC.	OWN	
860.1340, 860.1480	Amended Report for MRID Number 470692065: Magnitude of ET-751 Residues in Bovine Tissues and Milk from a 28-Day Feeding Study and Radiovalidation in Goat Liver and Milk.	47872701	NICHINO AMERICA, INC.	OWN	
860.1340: 860.1380	Method Validation for Determination of Pyraflufen-Ethyl (ET-751) and its Acid Metabolite (E1) in Potato Matrices, and Storage Stability of these Analytes in Potato Tubers	45327624	NICHINO AMERICA, INC.	OLD	
860.1340: 860.1380	Method Validation for Determination of Pyraflufen-Ethyl (ET-751) and its Acid Metabolite (E1) in Cotton RACs (Undelinted Cotton Seed and Gin Trash) and Processed Cotton Commodities (Meal, Hulls and Oil) and Storage Stability of These Analytes in Cotton RACs	45327625	NICHINO AMERICA, INC.	OLD	
860.1360	Assessment of Multiresidue Methodology as Presented in Pesticide Analytical Manual (PAM), Volume 1, for the Determination of Pyraflufen-Ethyl and Metabolite E-1 in Wheat Forage.	48381201	NICHINO AMERICA, INC.	OWN	
860.1360	Determination of Pyraflufen-ethyl (ET-751) in Cereal by the Modified Multi-Residue Enforcement Method DFG S19: Results of Method Try-Out Experiments	45283012	NICHINO AMERICA, INC.	OLD	
860.1380	Storage Stability of ET-751 and E-1 in Corn, Soybean and Wheat	45643103	NICHINO AMERICA, INC.	OLD	
860.1380	Storage Stability of ET-751 and E-1 in Corn, Soybean and Wheat: Amended Report.	46587602	NICHINO AMERICA, INC.	OWN	
860.1500	Pyraflufen-ethyl: Magnitude of the Residue on Hops (R-5171)	50575301	Interregional Research Project Number 4 IR-4	OWN	New

Signature: 
Name/Title: William R. Berti, Ph.D. / Regulatory Affairs Manager

EPA Copy


Date 11/29/2018
Page 7 of 12

United States Environmental Protection Agency
401 M. Street, S.W.
Washington, DC 20460

Paperwork Reduction Act Notice: This public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to : Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M. Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date: November 29, 2018			EPA Reg No./File Symbol: 71711-6		
Applicant's/Registrant's Name & Address: Nichino America, Inc. / 4550 Linden Hill Rd., Suite 501 / Wilmington, DE 19808			Product: ET-751 Technical		
Ingredient: PYRAFLUFEN-ETHYL					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
860.1500	Magnitude of the Residue of ET-751 in/on Cotton Raw Agricultural Commodities	45283013	NICHINO AMERICA, INC.	OLD	
860.1500	Magnitude of the Residue of ET-751 in/on Potato Raw Agricultural Commodities	45283015	NICHINO AMERICA, INC.	OLD	
860.1500	ET-751 and E-1 (metabolite) Formulation EXP31217A (SC) Trial France 1995 Residue in Winter Barley Decline Study.	47069204	NICHINO AMERICA, INC.	OWN	
860.1500	Magnitude and Decline of the Residue of Pyraflufen-ethyl and its Metabolite in or on Pasture/Rangeland Grasses Raw Agricultural Commodities.	47069205	NICHINO AMERICA, INC.	OWN	
860.1500	ET-751 and E-1 (Metabolite) Formulation EXP31217A (SC) Trials France 1996 Residues in Winter Barley Decline Study .	47069207	NICHINO AMERICA, INC.	OWN	
860.1500	Determination of the Residues of Pyraflufen-ethyl in Hop Cones. (R-5126)	47872704	NICHINO AMERICA, INC.	OWN	
860.1500	Magnitude of the Residue of Pyraflufen-ethyl and its Metabolite in or on Tree Nuts Raw Agricultural Commodities Following Two Ground Applications of Venue: Final Report.	47872705	NICHINO AMERICA, INC.	OWN	
860.1500	Addendum to MRID 47872704: Determination of the Residues of Pyraflufen-ethyl in Hop Cones: Field Site and Application Data.	48660501	NICHINO AMERICA, INC.	OWN	
860.1500, 860.1520	Magnitude of the Residue of Pyraflufen-ethyl and its Metabolite in or on Field Corn Raw Agricultural and Processed Commodities Following one Preplant and one Foliar Application of ET Herbicide/Defoliant (R-5088).	47069201	NICHINO AMERICA, INC.	OWN	
860.1500, 860.1520	Magnitude of the Residue of Pyraflufen-ethyl and its Metabolite in or on Pome Fruit Raw Agricultural and Processed Commodities Following Two Ground Applications of Venue: Final Report.	47872702	NICHINO AMERICA, INC.	OWN	
860.1500, 860.1520	Magnitude of the Residue of Pyraflufen-ethyl and its Metabolite in or on Grape Raw Agricultural and Processed Commodities Following Two Ground Applications of Venue: Final Report.	47872703	NICHINO AMERICA, INC.	OWN	
860.1500, 860.1520	Pyraflufen Residues on Peanut and Peanut Processed Commodities from Trials Conducted in the United States in 2010: Final Report.	48660502	NICHINO AMERICA, INC.	OWN	
860.1500; 860.1520	Magnitude of the Residue of Pyraflufen-ethyl and its Metabolite in or on Soybean Raw Agricultural and Processed Commodities Following one Preplant and one Foliar Application of ET Herbicide/Defoliant.	47069202	NICHINO AMERICA, INC.	OWN	
860.1500; 860.1520	Magnitude of the Residue of Pyraflufen-ethyl and its Metabolite in or on Wheat Raw Agricultural and Processed Commodities Following one Preplant and one Foliar Application of ET Herbicide/Defoliant to Spring Wheat and one Foliar Application of ET Herbicide/Defoliant to Winter Wheat (R-5087).	47069203	NICHINO AMERICA, INC.	OWN	
860.1520	Magnitude of the Residue of ET-751 in/on Processed Fractions of Cotton Raw Agricultural Commodities	45283014	NICHINO AMERICA, INC.	OLD	
860.1520	Magnitude of the Residue of ET-751 in/on Processed Fractions of Potato Raw Agricultural Commodities	45283016	NICHINO AMERICA, INC.	OLD	
860.1850	(Carbon-14)-ET-751: A Confined Rotational Crop Study Using Radishes, Lettuces and Barley	45327627	NICHINO AMERICA, INC.	OLD	

Signature: 
Name/Title: William R. Berti, Ph.D. / Regulatory Affairs Manager

EPA Copy


Date 11/29/2018
Page 8 of 12

United States Environmental Protection Agency
401 M. Street, S.W.
Washington, DC 20460

Paperwork Reduction Act Notice: This public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to : Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M. Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date: November 29, 2018			EPA Reg No./File Symbol: 71711-6		
Applicant's/Registrant's Name & Address: Nichino America, Inc. / 4550 Linden Hill Rd., Suite 501 / Wilmington, DE 19808			Product: ET-751 Technical		
Ingredient: PYRAFLUFEN-ETHYL					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
860.6100	Independent Laboratory Method Validation for Determination of Pyraflufen-Ethyl (ET-751) and its Acid Metabolite in Foodstuffs of Animal Origin	45327626	NICHINO AMERICA, INC.	OLD	
870 Health Effects					
870.7485	Absorption, Distribution, Metabolism and Excretion of (Pyrazole-5-(carbon-14))ET-751 Following a Single Oral Administration to Male and Female Rats	45282932	NICHINO AMERICA, INC.	OLD	
870.7485	Metabolism and Excretion of (Phenyl-5-(carbon-14))ET-751 Following a Single Oral Administration to Male and Female Rats	45282933	NICHINO AMERICA, INC.	OLD	
870.7485	Absorption, Distribution, Metabolism and Excretion of (Pyrazole-5-(carbon-14))ET-751 Following Repetitive Oral Dosing of Non-Radiolabeled Test Substance to Rats	45282934	NICHINO AMERICA, INC.	OLD	
870.7485	Metabolism and Excretion of (Pyrazole-5-(carbon-14))ET-751 into Bile Following a Single Oral Administration to Rats	45282935	NICHINO AMERICA, INC.	OLD	
870.7485	Validation of an Analytical Method for the Quantitative Estimation of ET-751 and Metabolites E1 and E9 in Dog Plasma	45283009	NICHINO AMERICA, INC.	OLD	
830.5300	Report on Mutation Assay of ET-751 Using L5178Y Mouse Lymphoma Cells	45327623	NICHINO AMERICA, INC.	OLD	
870.1100	Acute Oral Toxicity Study of ET-751 Technical in Rat	45327611	NICHINO AMERICA, INC.	OLD	
870.1100	Acute Oral Toxicity Study of ET-751 Technical in Mice	45327612	NICHINO AMERICA, INC.	OLD	
870.1100	Acute Oral Toxicity Testing of 2-Chloro-5-(4-5-difluoromethoxy-1-methylpyrazol-3-yl)- 4-fluorophenoxyacetic Acid in the Rat	45909101	NICHINO AMERICA, INC.	OLD	
870.1200	Acute Dermal Toxicity Study of ET-751 Technical in Rat	45327613	NICHINO AMERICA, INC.	OLD	
870.1300	ET-751: Acute Inhalation Toxicity Study in the Rat: Final Report	45282821	NICHINO AMERICA, INC.	OLD	
870.1300	ET-751: Acute Inhalation Toxicity Study in the Rat: Addendum 1	45282822	NICHINO AMERICA, INC.	OLD	
870.1300	ET-751: Waiver Request for 28-Day Inhalation Study.	48381204	NICHINO AMERICA, INC.	OWN	
870.2400	Primary Eye Irritation Study of ET-751 Technical in Rabbit	45327614	NICHINO AMERICA, INC.	OLD	
870.2500	Primary Dermal Irritation Study of ET-751 Technical in Rabbit	45282823	NICHINO AMERICA, INC.	OLD	
870.2600	ET-751: Delayed Contact Hypersensitivity Study in the Guinea-Pig: Final Report	45282824	NICHINO AMERICA, INC.	OLD	
870.3100	ET-751: Toxicity Study by Dietary Administration to CD Rats for 13 Weeks Followed by an 8 Week Reversibility Period: Final Report	45282903	NICHINO AMERICA, INC.	OLD	
870.3100	ET-751: Toxicity Study by Administration to CD Rats for 13 Weeks Followed by an 8 Week Reversibility Period	45282904	NICHINO AMERICA, INC.	OLD	
870.3100	ET-751: Preliminary Toxicity Study by Dietary Administration to CD Rats for Four Weeks: Final Report	45282901	NICHINO AMERICA, INC.	OLD	
870.3150	ET-751: Toxicity Study by Oral (Capsule) Administration to Beagle Dogs for 13 Weeks: Final Report	45282905	NICHINO AMERICA, INC.	OLD	
870.3150	ET-751: Preliminary Toxicity Study by Oral (Capsule) Administration to Beagle Dogs: Final Report	45282909	NICHINO AMERICA, INC.	OLD	
870.3200	28-Day Dermal Toxicity Study with Pyraflufen-ethyl Technical in Rats: Final Report	45283001	NICHINO AMERICA, INC.	OLD	
870.3700	ET-751: Teratology Study Following Oral (Gavage Administration In the Rat: Final Report	45282917	NICHINO AMERICA, INC.	OLD	

Signature: 
Name/Title: William R. Berti, Ph.D. / Regulatory Affairs Manager

EPA Copy


Date 11/29/2018
Page 9 of 12

United States Environmental Protection Agency
401 M. Street, S.W.
Washington, DC 20460

Paperwork Reduction Act Notice: This public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to : Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M. Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date: November 29, 2018			EPA Reg No./File Symbol: 71711-6		
Applicant's/Registrant's Name & Address: Nichino America, Inc. / 4550 Linden Hill Rd., Suite 501 / Wilmington, DE 19808			Product: ET-751 Technical		
Ingredient: PYRAFLUFEN-ETHYL					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
870.3700	ET-751: Teratology Study in Rabbits: Final Report	45282918	NICHINO AMERICA, INC.	OLD	
870.3700	ET-751: Preliminary Teratology Study Following Oral (Gavage) Administration in the Rat: Final Report	45282919	NICHINO AMERICA, INC.	OLD	
870.3700	ET-751: Tolerance Study in the Rabbit: Final Report	45282920	NICHINO AMERICA, INC.	OLD	
870.3700	ET-751: Preliminary Teratology Study in the Rabbit: Final Report	45282921	NICHINO AMERICA, INC.	OLD	
870.3800	ET-751: Two-Generation Reproduction Study in Rats	45282922	NICHINO AMERICA, INC.	OLD	
870.3800	Two-Generation Reproduction Study in Rats with ET-751: Preliminary Study	45282923	NICHINO AMERICA, INC.	OLD	
870.4100	ET-751: Toxicity Study by Oral (Capsule) Administration to Beagle Dogs for 52 Weeks: Final Report	45282906	NICHINO AMERICA, INC.	OLD	
870.4100, 870.4200	ET-751: 78-Week Oral Oncogenicity Study in Mice	45282913	NICHINO AMERICA, INC.	OLD	
870.4100,870.4200	ET-751: Combined Oncogenicity and Toxicity Study by Dietary Administration to CD Rats for 104 Weeks	45282911	NICHINO AMERICA, INC.	OLD	
870.4200	ET-751: 78-Week Oncogenicity Study in Mice 28-Day Dose Range Finding Study (IET-93-0099)	45282910	NICHINO AMERICA, INC.	OLD	
870.4200	Certificate of Purity of ET-751 Technical for Rat Chronic/Oncogenicity Feeding Study	45282912	NICHINO AMERICA, INC.	OLD	
870.4200	Supplement to ET-751: 78-Week Oral Oncogenicity Study in Mice	45282914	NICHINO AMERICA, INC.	OLD	
870.4200	78-Week Oral Oncogenicity Study in Mice: Additional Study of Effect on Proliferative Activity of Hepatic Cells (ET-751)	45282916	NICHINO AMERICA, INC.	OLD	
870.4200	ET-751: 78-Week Oral Oncogenicity Study in Mice	45589401	NICHINO AMERICA, INC.	OLD	
870.4200; 870.7485	Effect of ET-751 on Hepatic Drug Metabolizing Enzymes in Mice	45327620	NICHINO AMERICA, INC.	OLD	
870.4200; 870.7485	Investigation of Liver Injury Caused by Dietary Administration of Pyraflufen-Ethyl in Mice	45327621	NICHINO AMERICA, INC.	OLD	
870.4200; 870.7485	Effect of Pyraflufen-Ethyl Dietary Administration on Lipid Peroxylation, B-Oxidation Activity, Catalase Activity and 8-Hydroxydeoxyguanosine Production in Mouse Liver	45327622	NICHINO AMERICA, INC.	OLD	
870.4300	ET-751: Combined Oncogenicity and Toxicity Study by Dietary Administration to CD Rats for 104 Weeks	45583401	NICHINO AMERICA, INC.	OLD	
870.4300	ET-751: Combined Oncogenicity and Toxicity Study by Dietary Administration to CD Rats for 104 Weeks	45703301	NICHINO AMERICA, INC.	OLD	
870.4300	ET-751: 78-Week Oral Oncogenicity Study in Mice	45703302	NICHINO AMERICA, INC.	OLD	
870.5100	ET-751: Assessment of Mutagenic Potential in Amino-Acid Auxotrophs of Salmonella typhimurium and Escherichia coli (The Ames Test): Final Report	45282924	NICHINO AMERICA, INC.	OLD	
870.5375	ET-751: An In Vitro Test for Induction of Chromosome Damage: Cytogenetic Study in Cultured Human Peripheral Lymphocytes: Final Report	45282927	NICHINO AMERICA, INC.	OLD	
870.5385	ET-751: L5178Y TK +/-Mouse Lymphoma Mutation Assay Using the Methodology Recommended by the O.E.C.D. (1984): Final Report	45282928	NICHINO AMERICA, INC.	OLD	
870.5395	ET-751: Mouse Micronucleus Test	45282931	NICHINO AMERICA, INC.	OLD	

Signature: 
Name/Title: William R. Berti, Ph.D. / Regulatory Affairs Manager

EPA Copy


Date 11/29/2018
Page 10 of 12

United States Environmental Protection Agency
401 M. Street, S.W.
Washington, DC 20460

Paperwork Reduction Act Notice: This public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to : Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M. Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date: November 29, 2018			EPA Reg No./File Symbol: 71711-6		
Applicant's/Registrant's Name & Address: Nichino America, Inc. / 4550 Linden Hill Rd., Suite 501 / Wilmington, DE 19808			Product: ET-751 Technical		
Ingredient: PYRAFLUFEN-ETHYL					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
870.5500	ET-751: DNA Repair Test (Rec-Assay) with Bacillus subtilis	45282929	NICHINO AMERICA, INC.	OLD	
870.5500	Rat Liver DNA Repair (UDS) Test	45282930	NICHINO AMERICA, INC.	OLD	
870.6200	Praflufen-ethyl: Neurotoxicity Study by a Single Oral Gavage Administration to Sprague-Dawley Rats followed by a 14-Day Observation Period: Final Report.	48802401	NICHINO AMERICA, INC.	OWN	
870.6200	Pyraflufen-ethyl: Neurotoxicity Study by Dietary Administration to Sprague-Dawley Rats for 13 Weeks: Final Report.	48802402	NICHINO AMERICA, INC.	OWN	
870.7800	Pyraflufen-Ethyl Technical Grade: A 28-Day Dietary Immunotoxicity Study in Rats.	48577901	NICHINO AMERICA, INC.	OWN	
Miscellaneous Reports					
NA	Assessment of the Side Effects of ET-751 Technical on the Activity of the Soil Microflora: Final Report	45282802	NICHINO AMERICA, INC.	OLD	
NA	Summary and Review of the Data Supporting Registration of Pyraflufen-Ethyl Technical and End-Use Product Containing Pyraflufen-Ethyl as the Active Ingredient	45290701	NICHINO AMERICA, INC.	OLD	
NA	Comparison of Estimated Environmental Exposures for Pyraflufen-Ethyl with Alternative Chemicals	45327601	NICHINO AMERICA, INC.	OLD	
NA	Public Interest Finding Information on Pyraflufen-ethyl to Support a New Active Ingredient with Crop Tolerances on Cotton, Potato, Corn, Soybeans, and Wheat	45774901	NICHINO AMERICA, INC.	OLD	
NA	Pyraflufen-Ethyl: Reduced Risk Rationale and Replacement for an Organophosphate (OP) Document to Support Registration of ET-751 2.5% EC Herbicide	45282701	NICHINO AMERICA, INC.	OLD	
NA	FQPA Supplemental Information on Pyraflufen-Ethyl for the Establishment of Tolerances for Cotton and Potato	45282702	NICHINO AMERICA, INC.	OLD	
NA	Pyraflufen-Ethyl: AgDrift Modeling to Assess Risk to Aquatic and Terrestrial Plants from Spray Drift	45282703	NICHINO AMERICA, INC.	OLD	
NA	Chronic Dietary and Risk Assessment: Pyraflufen-ethyl	45282818	NICHINO AMERICA, INC.	OLD	
NA	Tier 1 Acute Dietary Exposure and Risk Assessment for Pyraflufen-ethyl	45282819	NICHINO AMERICA, INC.	OLD	
NA	Pyraflufen-ethyl: Occupational Exposure and Risk Assessment	45282820	NICHINO AMERICA, INC.	OLD	
NA	Supplement 1 to Pyraflufen-Ethyl Reduced Risk Rationale and Replacement for an Organophosphate (OP) Document to Support Registration of ET-751 2.5% EC Herbicide	45389206	NICHINO AMERICA, INC.	OLD	
NA	Supplement 1 to Pyraflufen-Ethyl: Reduced Risk Rationale and Replacement for an Organophosphate (OP) Document to Support Registration of ET-751 2.5% EC Herbicide	45402701	NICHINO AMERICA, INC.	OLD	
NA	Supplement 3 to Pyraflufen-Ethyl: Reduced Risk Rationale and Replacement for an Organophosphate (OP) Document to Support Registration of ET-751 2.5% EC Herbicide	45402702	NICHINO AMERICA, INC.	OLD	
NA	Supplement 2 to Pyraflufen-Ethyl: Reduced Risk Rationale and Replacement for an Organophosphate (OP) Document to Support Registration of ET-751 2.5 % EC Herbicide	45408401	NICHINO AMERICA, INC.	OLD	
NA	Additional Efficacy Information on Pyraflufen-Ethyl (ET-751) to EPA to Support Request as an Organophosphate (OP) Replacement for TRIBUFOS	45599801	NICHINO AMERICA, INC.	OLD	

Signature: 
Name/Title: William R. Berti, Ph.D. / Regulatory Affairs Manager

EPA Copy

Date 11/29/2018
Page 11 of 12

United States Environmental Protection Agency
401 M. Street, S.W.
Washington, DC 20460

Paperwork Reduction Act Notice: This public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M. Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date: November 29, 2018

EPA Reg No./File Symbol: 71711-6

Applicant's/Registrant's Name & Address:
Nichino America, Inc. / 4550 Linden Hill Rd., Suite 501 / Wilmington, DE 19808

Product: ET-751 Technical

Ingredient: PYRAFLUFEN-ETHYL

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
NA	Summary and Overview of the Data Supporting Registration of Pyraflufen-Ethyl Technical and End-Use Product Containing Pyraflufen-Ethyl as the Active Ingredient	45643101	NICHINO AMERICA, INC.	OLD	
NA	An Ecological and Human Health Evaluation in Support of the Use of ET® 2%SC Herbicide to Control Silvery Thread Moss on Turf Grass	50147601	NICHINO AMERICA, INC.	OWN	
NA	A Rationale to Support the New Use of Pyraflufen-Ethyl on Orchard Crops When Limited to Dormant and Prebloom.	46866001	NICHINO AMERICA, INC.	OWN	
NA	A Rationale to Support the Use of Pyraflufen-Ethyl to Fallow Land.	46866601	NICHINO AMERICA, INC.	OWN	
NA	A Rationale to Support the Non-Food Use Classification for Pyraflufen-Ethyl: Preplant Burndown to Bulb Vegetables, Oil Seed Crops, Cereal Grain Crops, and Sugarcane.	47533801	NICHINO AMERICA, INC.	OWN	



Signature:
Name/Title: William R. Berti, Ph.D. / Regulatory Affairs Manager

EPA Copy

Date 11/29/2018
Page 12 of 12